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Amendment and Response

Applicant: James McKinley et al.

Serial No.: 10/823,370

Filed: April 12, 2004

Docket No.: 100203066-1

Title: WEB BASED DYNAMIC DATA TRANSLATION SERVICE AND METHOD

IN THE CLAIMS

Please amend claims 1, 7, 12, 17, 24, and 28 as follows:

1. (Currently Amended) A method of translating data from a first format into one or more translated formats, the method comprising:

initiating a translation request on one of a plurality of client systems, the translation request being initiated on a periodic basis or upon detection of a change in source data on one or more of the client systems, and the translation request including the source data to be translated from the first format into the one or more translated formats and configuration data defining each type of translation to be performed on the source data;

communicating the translation request to a server system;
processing the received translation request on the server system to determine from the configuration data each type of data translation to be performed on the source data in the first format;

providing the source data in the first format to a corresponding translation service on the server system corresponding to each determined type of data translation to be performed;

translating the source data in the first format to generate target data in a corresponding translated format on the server system via the corresponding translation services service; and
communicating a return translation request to the client system, the return translation request including the target data in each the corresponding translated format; and
storing the target data in a designated output file in the client system.

2. (Original) The method of claim 1 wherein the translation request and the return translation request comprise XML messages.

3. (Original) The method of claim 1 wherein the translation services comprise a group of translation services that include an Application Integrator, XSLT, and Contivo translation service.

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4. (Original) The method of claim 1 wherein initiating a translation request on one of plurality of client systems comprises executing a client script on the client system and providing at least input file, output file, and translation type information to the client script.

5. (Original) The method of claim 1 wherein initiating a translation request on one of plurality of client systems comprises running an event-based adapter on the client system to automatically translate data in defined files on the client system.

6. (Original) The method of claim 1 wherein initiating a translation request on one of plurality of client systems comprises generating a translation call from an application program running on the client system and providing the application call to an application program interface running on the client system, the application program interface initiating the translation request.

7. (Currently Amended) A method of translating data from a first format into one or more translated formats, the method comprising:

receiving on a server system a translation request from a client system, the translation request being received on a periodic basis or upon detection of a change in source data contained in the translation request, the translation request including the source data to be translated from the first format into one or more translated formats and configuration data defining each type of translation to be performed on the source data;

processing the received translation request on the server system to determine from the configuration data each type of data translation to be performed on the source data in the first format;

providing the source data in the first format to a corresponding translation service on the server system corresponding to each determined type of data translation to be performed;

translating the source data in the first format to generate target data in the translated formats on the server system via each corresponding translation service; and

generating a return translation request including the target data in the translated formats; and

storing the target data in a designated output file in the client system.

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8. (Original) The method of claim 7 wherein the translation request is received from one of a plurality of client systems.

9. (Original) The method of claim 7 wherein generating a return translation request including the data in the translated formats comprises communicating the return translation request to a client system.

10. (Original) The method of claim 7 wherein the translation request and the return translation request comprise XML messages.

11. (Original) The method of claim 7 wherein the translation services comprise a group of translation services that include an Application Integrator, XSLT, and Contivo translation service.

12. (Currently Amended) A method of translating data from a first format into one or more translated formats, the method comprising:

initiating a translation request on a client system, the translation request being initiated on a periodic basis or upon detection of a change in source data on ~~one or more of the client systems~~ system, and the translation request including source data to be translated from the first format into one or more translated formats and configuration data defining each type of translation to be performed on the source data; and

receiving a return translation request on the client system, the return translation request including target data in each translated format corresponding to the configuration data in the translation request; and

storing the target data in a designated output file in the client system.

13. (Original) The method of claim 12 wherein the translation request and the return translation request comprise XML messages.

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14. (Original) The method of claim 12 wherein initiating a translation request comprises executing a client script on the client system and providing at least input file, output file, and translation type information to the client script.

15. (Original) The method of claim 12 wherein initiating a translation request comprises running an event-based adapter on the client system to automatically translate data in defined files on the client system.

16. (Original) The method of claim 12 wherein initiating a translation request comprises generating a translation call from an application program running on the client system and providing the application call to an application program interface running on the client system, the application program interface initiating the translation request.

17. (Currently Amended) A computer-readable storage medium having stored thereon a program which, when executed on a client system, translates data from a first format into one or more translated formats by performing the operations of:

initiating a translation request on the client system, the translation request being initiated on a periodic basis or upon detection of a change in source data on ~~one or more of~~ the client systems system, and the translation request including source data to be translated from the first format into one or more translated formats and configuration data defining each type of translation to be performed on the source data;

receiving a return translation request on the client system, the return translation request including target data in each translated format corresponding to the configuration data in the translation request; and

storing the ~~received~~ target data in a designated output file in the client system.

18. (Original) The computer-readable medium of claim 17 wherein the medium comprises an optical disk.

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19. (Original) The computer-readable medium of claim 17 wherein initiating a translation request comprises executing a client script on the client system and providing at least input file, output file, and translation type information to the client script.

20. (Original) The computer-readable medium of claim 17 wherein initiating a translation request comprises running an event-based adapter on the client system to automatically translate data in defined files on the client system.

21. (Original) The computer-readable medium of claim 17 wherein initiating a translation request comprises generating a translation call from an application program running on the client system and providing the application call to an application program interface running on the client system, the application program interface initiating the translation request.

22-23. (Cancelled)

24. (Currently Amended) A computer system, comprising:

at least one translation engine, each translation engine operable to translate data in a first format to data in a corresponding translated format; and

an interface component adapted to receive periodic translation requests from one of a plurality of client systems, each translation request including source data to be translated from the first format into one or more translated formats and configuration data defining each type of translation to be performed on the source data, the interface component operable to determine from the configuration data each type of data translation to be performed on the source data and to apply corresponding translation requests including the source data to the appropriate translation engines, and further operable to receive corresponding translated data from the translation engines to which translation requests were provided and to develop a return translation request including the translated data.

wherein the translated data is stored in a designated output file in one of the client systems.

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25. (Original) The computer system of claim 24 further comprising a translation database and wherein the interface component utilizes the configuration data portion of the translation request to retrieve required steps for the data translation being performed from the database.
26. (Original) The computer system of claim 24 wherein the translation request and the return translation request comprise XML messages.
27. (Original) The computer system of claim 24 wherein the application engines comprise translation engines for providing translation services that include an Application Integrator, XSLT, and Contivo translation service.
28. (Currently Amended) A computer network, comprising:
 - a server system, comprising:
 - at least one translation engine, each translation engine operable to translate data in a first format to data in a corresponding translated format; and
 - an interface component adapted to receive a translation request including source data to be translated from the first format into one or more translated formats and configuration data defining each type of translation to be performed on the source data, the interface component operable to determine from the configuration data each type of data translation to be performed on the source data and to apply corresponding translation requests including the source data to the appropriate translation engines, and further operable to receive corresponding translated data from the translation engines to which translation requests were provided and to develop a return translation request including the translated data; and
 - at least one client system, each client system operable to communicate translation requests to the server system either periodically or upon detection of a change in source data stored on the client system, each translation request including the source data to be translated from the first format into the one or more translated formats and including the configuration data defining each type of translation to be performed on the source data, and each client system operable to receive return translation requests from the server system containing

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target data in each translated format corresponding to the configuration data in the translation request, and store the target data in a designated output file in the client system.

29. (Original) The computer network of claim 28 wherein each of the client systems and the server system is operable to develop translation requests and return translation requests, respectively, comprising XML messages.